

Product datasheet for **SC100378**

STK33 (NM_030906) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK33 (NM_030906) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK33
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_030906, the custom clone sequence may differ by one or more nucleotides

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GAATTCGGCAGGAGAAACATTTGTTGTCAGTAGTACTATGTGTCGATTTTGTAGTATAGCTCTCAGA
AATTTGGGATGTTTTGGGGTGAATGTATTTTATATCTACACACTTATGTGTGTATATATAAATC
ATTTCTCCTTTTTCTTATGAAGATATTTTCAATTAATATATTATAGTTTGAAGAGATTCATTTTATACT
TTGAGTTTTTCCACATTTACCATTAGGATTTTTATGGTTTTTCCCAAAGGACACTTAATAAAATTCAT
CAACGCTTATTTTGGTTAATTAAGATGTGTTTATTAATATTGAAGCAAATATATAGTGTCTTCTATTGGA
TTTTAACTTGGAGCAGAATCTCTTTTCCCTTGGGTGAGTATCTGTGAGTATTATATGTTCAATTTTAATA
GCTGATGAATGGCATAGAGAGACAACCTCTTTTTTTTTTTTTTCTCCAGGAAATCTATACCTTTGGAAGAAT
ATTGGGAAAAGGGAGCTTTGGAATAGTCATTGAAGCGACAGACAAGGAAACAGAAACGAAGTGGCAATT
AAAAAAGTGAACAAGAAAAGGCTGGAAGCTCTGCTGTGAAGTACTTGAACGAGAGGTGAACATTCTGA
AAAGTGTAAAACATGAACACATCATACTGGAACAAGTATTTGAAACGCCAAAGAAAATGTACCTTGT
GATGGAGCTTTGTGAGGATGGAGAACTCAAAGAAATCTGGATAGGAAAGGCATTTCTCAGAGAATGAG
ACAAGGTGGATCATTCAAAGTCTCGCATCAGCTATAGCATATCTTCAATAATGATATTGTACATAGAG
ATCTGAAACTGGAAAATATAATGGTTAAAAGCAGTCTTATTGATGATAACAATGAAATAAACTTAAACAT
AAAGGTGACTGATTTTGGCTTAGCGGTGAAGAAGCAAAGTAGGAGTGAAGCCATGCTGCAGGCCACATGT
GGGACTCCTATCTATATGGCCCCGAAGTTATCAGTGCCACGACTATAGCCAGCAGTGTGACATTTGGA
GCATAGGCGTCGTAATGTACATGTTATTACGTGGAGAACCACCCTTTTTGGCAAGCTCAGAAGAGAAGCT
TTTTGAGTTAATAAGAAAAGGAGAACTACATTTGAAAATGCAGTCTGGAATCCATAAGTACTGTGCT
AAAAGTGTTTGAAACAACCTTATGAAAGTAGATCCTGCTCACAGAATCACAGTAAGGAACTACTAGATA
ACCAGTGGTTAACAGGCAATAAACTTTCTCGGTGAGACCAACCAATGTATTAGAGATGATGAAGGAATG
GAAAAATAACCCAGAAAGTGTTGAGAAAAACACAACAGAAGAGAAGAATAAGCCGTCACACTGAAGAAAAG
TTGAAAAGTTACCAACCCTGGGGAATGTCCTGATGCCAATTACACTTCAGATGAAGAGGAGGAAAAAC
AGTCTACTGCTTATGAAAAGCAATTTCTGCAACCAGTAAGGACAACCTTTGATATGTGCAGTTCAAGTTT
CACATCTAGCAAACCTCTCCAGCTGAAATCAAGGGAGAAATGGAGAAAACCCCTGTGACTCCAAGCCAA
GGAACAGCAACCAAGTACCCTGCTAAATCCGGCGCCCTGTCCAGAACCAAAAAGAACTCTAAGTTCCC
TCCAGTGTGGACAGTACAAAAACAAAGCTGCTTGTAGCACTTTGATGAGGGGTAGGAGGGGAAGA
AGACAGCCCTATGCTGAGCTTGTAGCCTTTAGCTCCACAGACCCCGCCATGTGTTTGACCAGCTTAA
AATTGAAGCTGCTTATCTCAAAGCAGCATAAGCTGCACGTGGCATTAAAGGACAGCCACCAGTACGCTT
GGCAGTGGGCTGCAGTGGAAATCAACTCAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030906 unedited

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ATTTGTAATACGACTCACTATAGGGCGCCGGAATTCGGCAGGAGAAACATTTGTT
CAGTAGTACTATGTGTCGATTTTGTAGTATAGCTCTCAGAAATTTGGGATGTTTTGGG
TGAATGTATTTTATATCTACACACTTATGTGTGTATATATAAATCAATTTCTCCT
TTTTCTTATGAAGATATTTCAATTAATATATTATAGTTTGAAGAGATTCATTTTATACT
TTTGAGTTTTTCCACATTTACCATTAGGATTTTTATGGTTTTTCCCAAAGGACACTTA
ATAAAATTCATCAACGCTTATTTTGGTTAATTAAGATGTGTTTATTAATATTGAAGCAA
TATATAGTGTCTTCTATTTGATTTTAACTTGGAGCAGAATCTTTTTCCCTTGGGTGAGT
ATCTGTCAGTATTATATGTTCAATTTTAAAGCTGATGAATGGCATAGAGAGACAACCTCT
TTTTTTTTTTTTTCTCCAGGAAATCTATACCTTTGGAAGAATATTGGGAAAAGGGAGCTTT
GGAATAGTCATTGAAGCGACAGACAAGGAAACAGAAACGAAGTGGCAATTA AAAAAGTG
AACAAAGAAAAGGCTGGAAGCTCTGCTGTGAAGTACTTGAACGAGAGGTGAACATTCTG
AAAAGTGTAAAACATGAACACATCATACTGGAACAAGTATTTGAAACGCCAAAGAAA
ATGTACCTTGTGATGGAGCTTTGTGAGGATGGAGAACTCANAGAAATTTGGATAGGAAA
GGCCATTTCTCANAAATGAGACAGGGTGGATCATTCAAGTCTCGCATCAGCTATAGCATA
TCTTCACATAATGATATTGACATAGAGATCCTGAACTGGAATATTATGGNTAAAAGCGT
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Restriction Sites: NotI-NotI

ACCN:	NM_030906
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_030906.2</u> , <u>NP_112168.1</u>
RefSeq Size:	2707 bp
RefSeq ORF:	1545 bp
Locus ID:	65975
UniProt ID:	<u>Q9BYT3</u>
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>Serine/threonine protein kinase which phosphorylates VIME. May play a specific role in the dynamic behavior of the intermediate filament cytoskeleton by phosphorylation of VIME (By similarity). Not essential for the survival of KRAS-dependent AML cell lines.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1 and 4-11 all encode the same isoform (a).</p>